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XVII. *The Latitude of Madrafs in the East Indies, deduced from Observations made by William Stephens, Chief Engineer. Communicated by John Call, Esq. F. R. S.*

Read February 11, 1778.

Time. What objects.		Latitudes of Madrafs,	
		from Southern Z. dist.	from Northern Z. dist.
1776, Oct.	4. Sun	13 3 58	— —
	5. Sun	13 4 20	— —
	19. Sun	13 4 16	— —
	22. Sun	13 3 56	— —
Nov.	1. $\beta$ Cassiopea	— —	13 5 43
	$\alpha$ Cassiopea	— —	13 5 58
	$\gamma$ Cassiopea	— —	13 5 44
	$\delta$ Cassiopea	— —	13 5 39
	2. $\delta$ Capricorn	13 4 29	— —
	Fomalhaut	13 4 29	— —
	$\beta$ Ceti	13 3 55	— —
	3. Moon, this rejected in medium,	— —	13 6 58
	10. Sun, very good,	13 4 9	— —
	? Lacerta	— —	13 5 25
	$\lambda$ Andromeda (called $1\lambda$ )	— —	13 5 25
	$\beta$ Cassiopea	— —	13 5 42
	$\alpha$ Cassiopea	— —	13 15 9
		13 4 11	13 5 37

Mean latitude  $13^{\circ} 4' 54''$  North.

The above observations were taken with an astronomical brafs quadrant on the top of the house usually inhabited by the chief engineer.

